MASON SAFETY TREADS

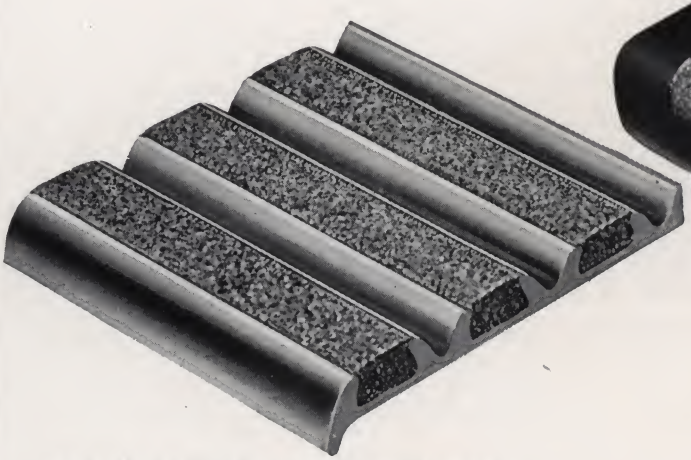
FOR UNDERFOOT SURETY

MANUFACTURED BY

AMERICAN MASON SAFETY TREAD CO.

Lowell, Massachusetts

A TYPE OF MASON SAFETY TREAD FOR ANY UNDERFOOT SAFETY SERVICE

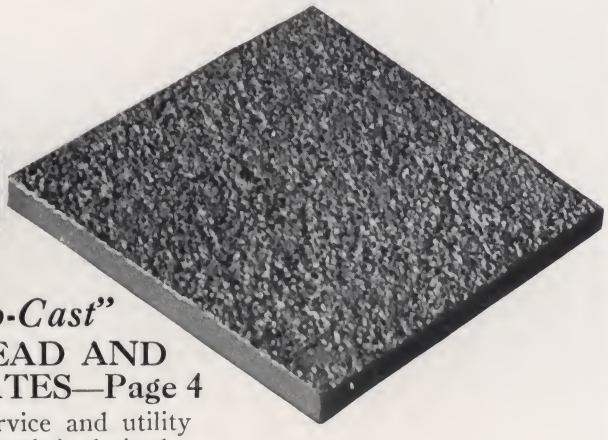


MASON SAFETY TREAD—Page 1

For use where best appearance in addition to greatest safety is desired.

MASON STRUCTURAL TREAD—Page 6

For use where self-supporting structural safety tread is desired



***"Carbo-Cast"* SAFETY TREAD AND PLATFORM PLATES—Page 4**

For use where hard service and utility besides structural strength is desired

SAFETY NOSINGS AND EDGINGS—Page 8

NON-SLIP LADDER SHOES Page 10

MASONCO SAFTRED—Page 8

For use wherever a solid carborundum tread and metal base is desired

ROLLED STEEL AND EXTRUDED BRASS DOOR SADDLES—Page 10

Continued on next page

MASON SAFETY TREAD

With Rolled Steel or Extruded Hard Brass Base—Carborundum or Lead Filled

For Use Where Good Appearance in Addition to Safety Is Required

Preventing Accidents with Mason Safety Treads

Of all the devices designed to provide protection against injuries caused by falls, American Mason Safety Treads are recognized by architects, engineers, casualty companies and users as being unsurpassed. Mason Safety Treads provide what is practically positive immunity from slipping.

Mason Safety Treads insure greater durability for stairs of any type and on concrete steps they protect the edge against fracture or chipping and prevent the steps from wearing hollow. In addition, Mason Safety Treads minimize the tracking of dirt into buildings.

Section of Mason Safety Tread
(Actual size)

In United States Government Buildings

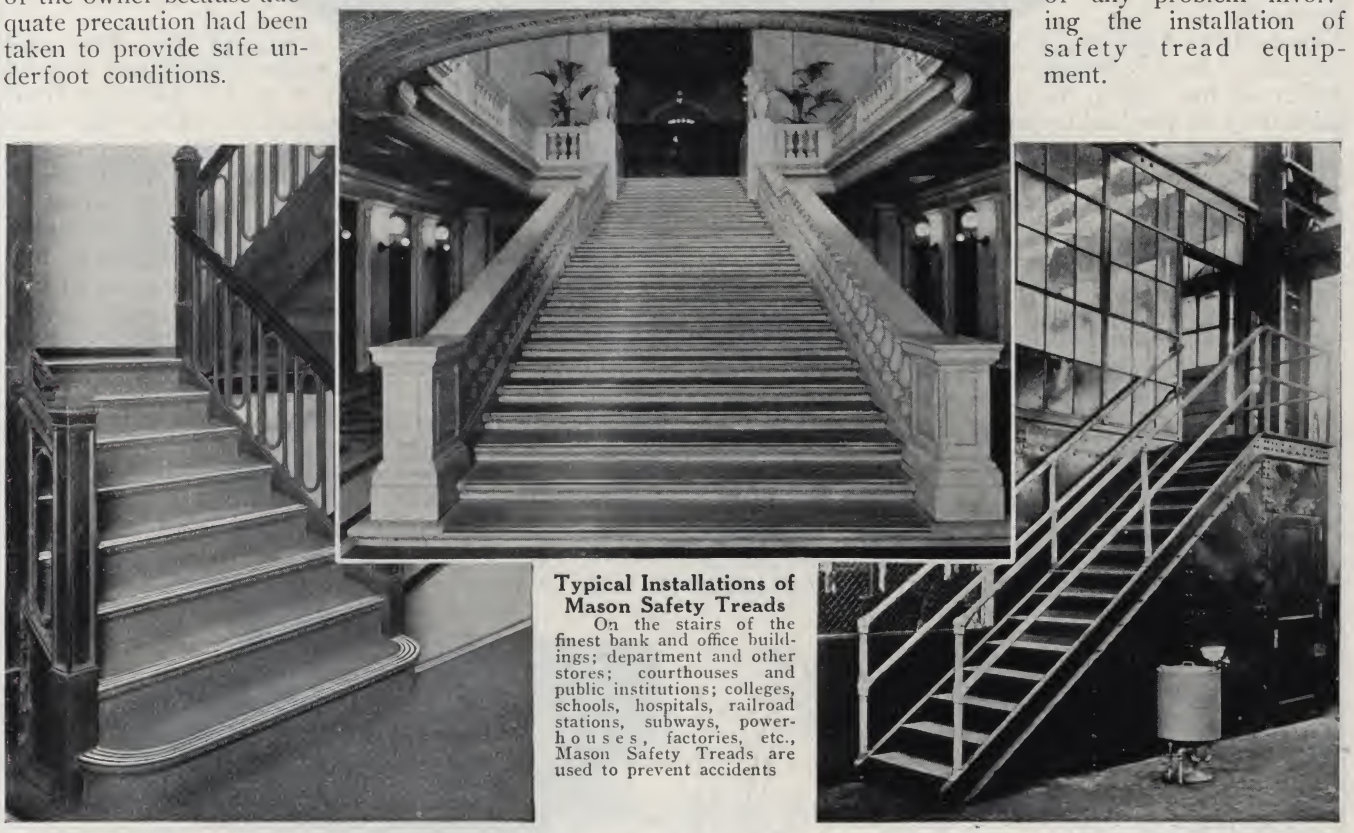
Mason Safety Treads have been used by the United States Government for many years. It is indicative of their reliability that the decks and ladders of many vessels of the U. S. Navy are equipped with Mason Safety Treads and that they are used in all the larger Governmental buildings in Washington — the Congressional Library, the Government Printing Office, etc. The Capitol is equipped with Mason Safety Treads from basement to dome and they are installed on steps of hundreds of post office buildings throughout the country.

Mason Safety Treads Prevent Litigation

Not only do Mason Safety Treads protect the pedestrian, they also protect the owner from accident litigation. It has been repeatedly recognized by judges and juries alike that if a person is injured by a fall on a stair thus equipped it is not the fault of the owner because adequate precaution had been taken to provide safe underfoot conditions.

Service and Co-operation

Any desired information regarding Mason Safety Treads will gladly be furnished and we will cooperate in the solution of any problem involving the installation of safety tread equipment.



Typical Installations of Mason Safety Treads

On the stairs of the finest bank and office buildings; department and other stores; courthouses and public institutions; colleges, schools, hospitals, railroad stations, subways, powerhouses, factories, etc., Mason Safety Treads are used to prevent accidents

Continued on next page

For Interior and Exterior Use on Granite, Marble, Slate, Cement, Iron or Wood Steps

Mason Safety Treads are adaptable to all situations *inside or outside* of a building, where the surface is liable to become slippery or where steps have worn to an uneven surface.

They are especially desirable for stairs in public buildings, stores, industrial plants, factories and wherever traffic is heavy. For use on thresholds of doors, elevator openings and fire doors; for ramps and floors around machinery, etc.

Tested and Approved by Underwriters' Laboratories

Mason Safety Treads have been tested and are fully approved by the Underwriters' Laboratories, Inc., Chicago, which is the official testing laboratory of the leading accident insurance companies of America.

Advantages of the Corrugated Surface

The corrugation of Mason Safety Treads furnish maximum protection from falls caused by waste substances on stairways such as match-sticks, fruit skins, etc., because these naturally roll into the grooves when stepped upon, leaving the non-slip metal surfaces clean. The corrugations also provide for the drainage of water presenting a dry contact surface for the foot at all times.

The Non-slip Fillings

The U-shaped corrugations of Mason Safety Treads alternate with dove-tailed grooves, the latter being filled with a non-slip substance—either *lead* or *carborundum.*

Lead Filling—Lead is sometimes preferred because of its clear gray appearance. It is an excellent non-slip substance and forms a contrast with the metal base of the tread which is very pleasing. Lead filling, however, is not recommended where oily conditions exist. Under this condition use carborundum filling.

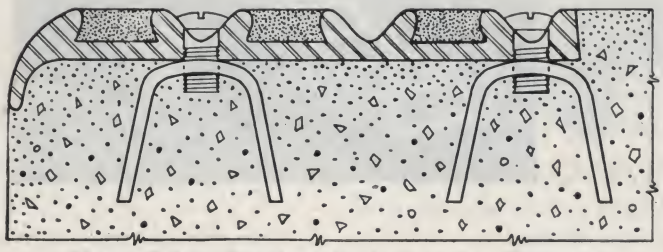
Carborundum Filling—Carborundum is combined with other elements which serve as a binder and is cured by improved methods. Under this process it furnishes a perfectly reliable foothold under every condition while the intense hardness of the combination assures wear for a long period of time even under the heaviest traffic. It has the additional advantage of being slightly lower in price than the lead filling.

Steel, Brass and White Brass (Aluminum) Base

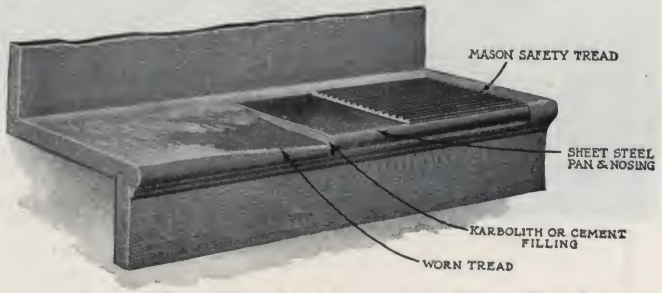
Mason Safety Treads are of superior type of construction having heavy continuous ribs which, together with the base, are either rolled from a solid bar of steel or extruded from yellow brass or white brass (aluminum), to suit various preferences. The ribs, which form the backbone of the tread, wear evenly with the lead or carborundum filling and have a material effect in sustaining the non-slip qualities of the Tread throughout its life. The ribs being continuous lead is never pushed over into the U-shaped corrugation by wear. There are no jagged edges for the retention of dirt and, as the tread wears, it leaves no polished, dangerous slip-inviting surface.

For Old as Well as New Work

Mason Safety Treads are particularly adapted for repair purposes. Very badly worn stair treads are easily repaired by the method shown below. The worn portion is built up to the proper level with Karbolith, or cement fillings, on which the Tread rests and all evidences of wear and repair are concealed by the heavy nosing.



Mason Safety Tread as Applied to New Concrete



Mason Safety Tread as Applied to Worn Treads

Continued on next page

FIG. 1, Steel Base, 6 in Wide, 7 Ribs.

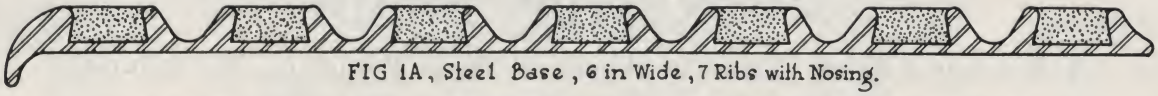


FIG 1A, Steel Base, 6 in Wide, 7 Ribs with Nosing.

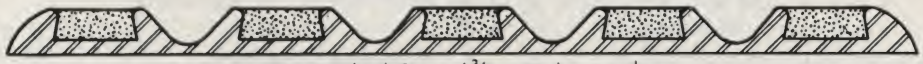


FIG. 2, Steel Base 4¾ in. Wide, 5 Ribs.

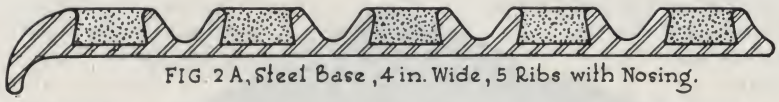


FIG. 2A, Steel Base, 4 in. Wide, 5 Ribs with Nosing.

FIG. 3, Steel Base, 4 in. Wide, 5 Ribs.

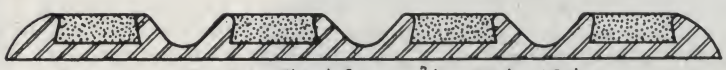


FIG. 3A. Steel Base 3¾ in. Wide, 4 Ribs.

FIG. 6, Steel Base 2½ in. Wide, 3 Ribs.

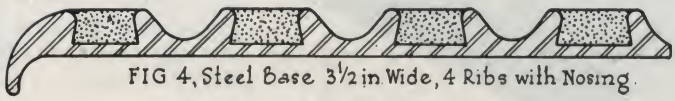


FIG 4, Steel Base 3½ in Wide, 4 Ribs with Nosing.

FIG. 5, Steel Base, 3 in. Wide, 3 Ribs, Nosing and Straight Back.
Especially made for granolithic work or for use with cork backing.

MASON SAFETY TREADS WITH STEEL BASE

Base is rolled, unperforated steel with alternate U-shaped and dovetailed grooves filled with lead or carborundum.

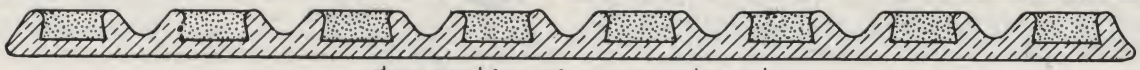


Fig. 7, Hard Brass Base, 6 in. Wide, 8 Ribs.

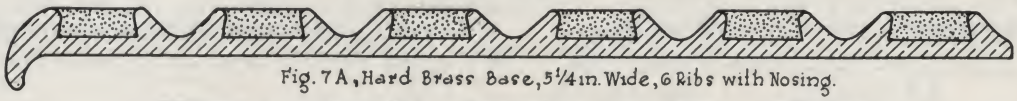


Fig. 7A, Hard Brass Base, 5¼ in. Wide, 6 Ribs with Nosing.

FIG. 8, Hard Brass Base, 4 in. Wide, 5 Ribs.

FIG. 9, Hard Brass Base, 3 in. Wide, 4 Ribs.

FIG. 10, Hard Brass Base 2¼ in. Wide, 3 Ribs.

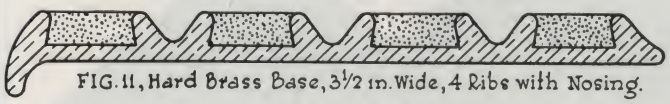


FIG. 11, Hard Brass Base, 3½ in. Wide, 4 Ribs with Nosing.

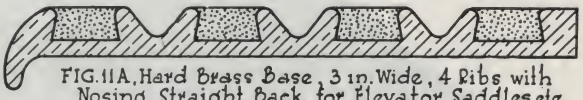


FIG. 11A, Hard Brass Base, 3 in. Wide, 4 Ribs with Nosing, Straight Back for Elevator Saddles etc.

FIG. 12, Hard Brass Base, 2⅛ in. Wide 3 Ribs with Nosing.

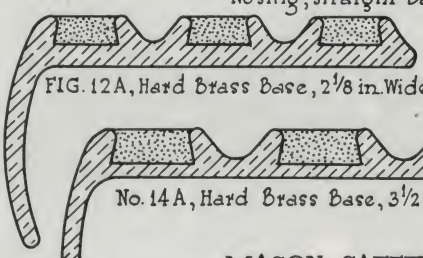


FIG. 12A, Hard Brass Base, 2⅛ in. Wide, 3 Ribs with Nosing.

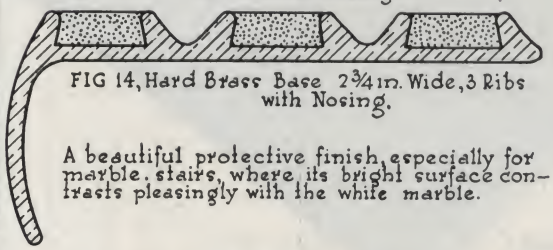
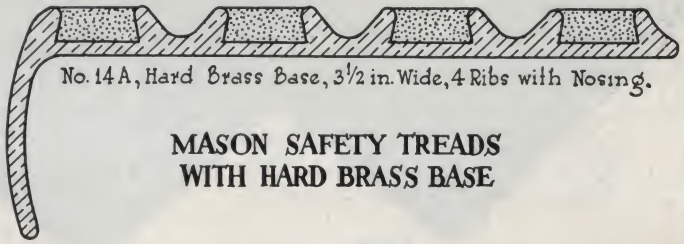


FIG 14, Hard Brass Base 2¾ in. Wide, 3 Ribs with Nosing.

A beautiful protective finish, especially for marble stairs, where its bright surface contrasts pleasingly with the white marble.



No. 14A, Hard Brass Base, 3½ in. Wide, 4 Ribs with Nosing.

MASON SAFETY TREADS WITH HARD BRASS BASE

Base of hard extruded brass (delta metal) with alternate U-shaped and dovetailed grooves filled with lead or carborundum.

SWEETS CATALOGUE SERVICE	DETAILS OF STANDARD SIZES OF MASON SAFETY TREAD	SCALE FULL SIZE	DRWG. 1

Continued on next page

Carbo-Cast

MASON SAFETY TREADS

A Structural Safety Tread of Abrasive Metal Requiring No Sub-tread
Made of Iron, Brass, Bronze or Aluminum

Carbo-Cast

Carbo-Cast is the trade-name of our treads in which the abrasive is an integral part of the body metal. They require no sub-tread and can be used with or without a riser and can also be used for repair work as shown on details.

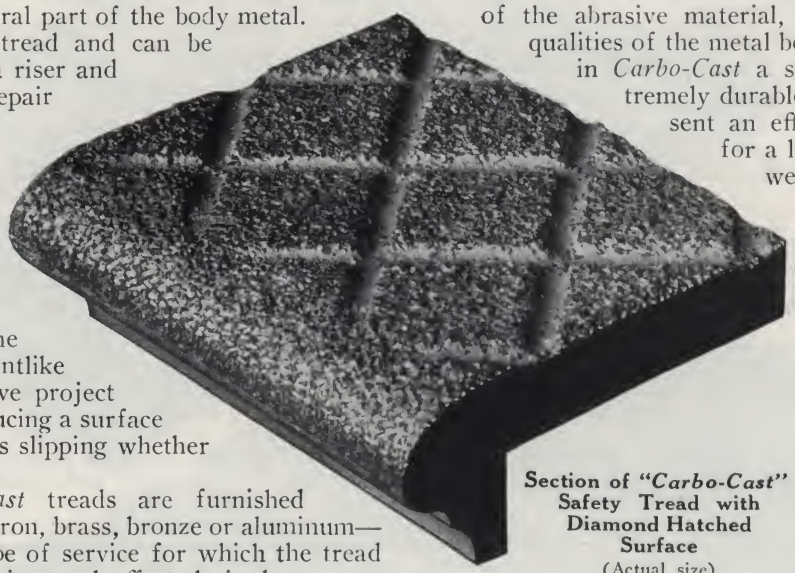
Description

When the tread is cast, a carborundum or aluminous abrasive is embedded in the wearing surface of the molten metal. The flintlike particles of the abrasive project above the surface producing a surface that effectively prevents slipping whether wet or dry.

Metals—*Carbo-Cast* treads are furnished with the body metal of iron, brass, bronze or aluminum—depending upon the type of service for which the tread is required or the architectural effect desired.

Surfaces—*Carbo-Cast* treads are furnished in the three surfaces illustrated below, namely:

Fluted
Diamond Hatched
Plain



Section of "*Carbo-Cast*" Safety Tread with Diamond Hatched Surface
(Actual size)

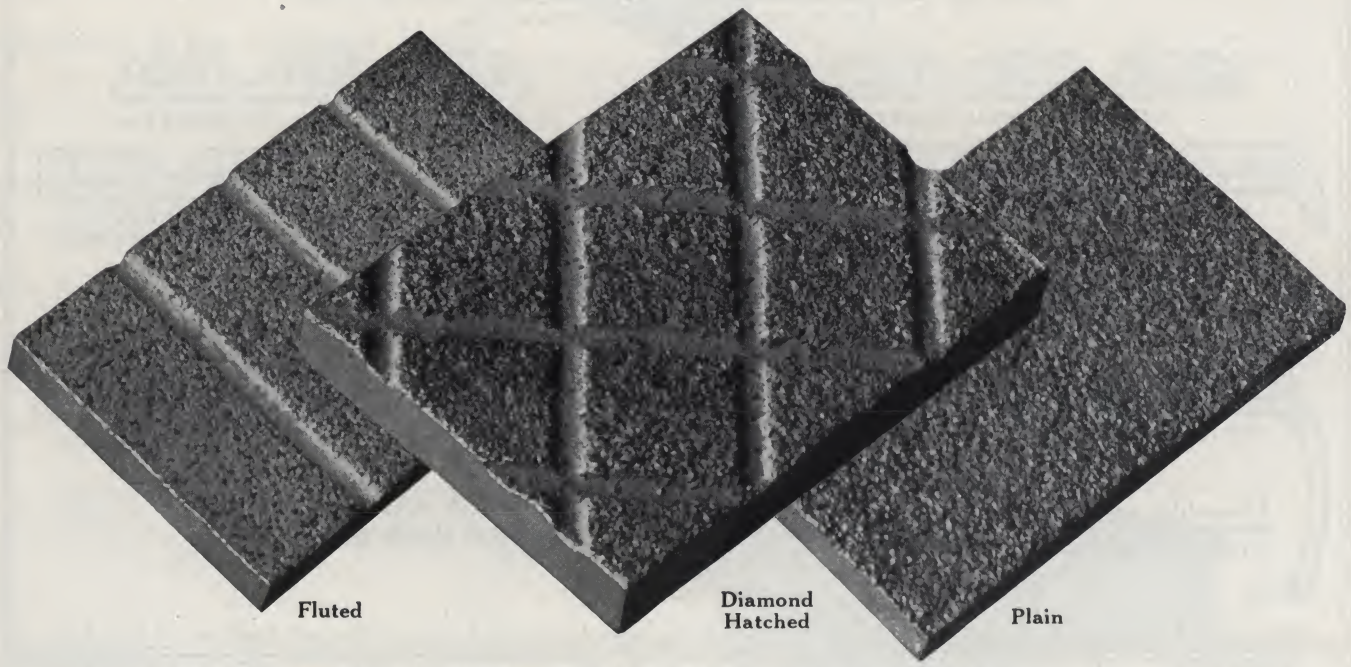
Wearing Qualities

The extreme hardness and wear resisting qualities of the abrasive material, combined with similar qualities of the metal body, combine to produce in *Carbo-Cast* a safety tread that is extremely durable and one that will present an effective non-slip surface for a long period despite hard wear.

Carbo-Cast Safety Treads possess a high resistance to corrosion due to the fact that the addition of carborundum or aluminous abrasive at the time of casting tends to densify the metal.

Installation

Carbo-Cast Safety Treads are easily and quickly installed on new or old work. On new concrete the treads are fastened by means of screws and metal anchors embedded in the concrete. For old concrete, marble, slate, etc., the use of expansion bolts is recommended. Only wood screws are needed to hold the treads securely in place on wood stairs.



VARIOUS SURFACES OF "*Carbo-Cast*" IN ACTUAL SIZE

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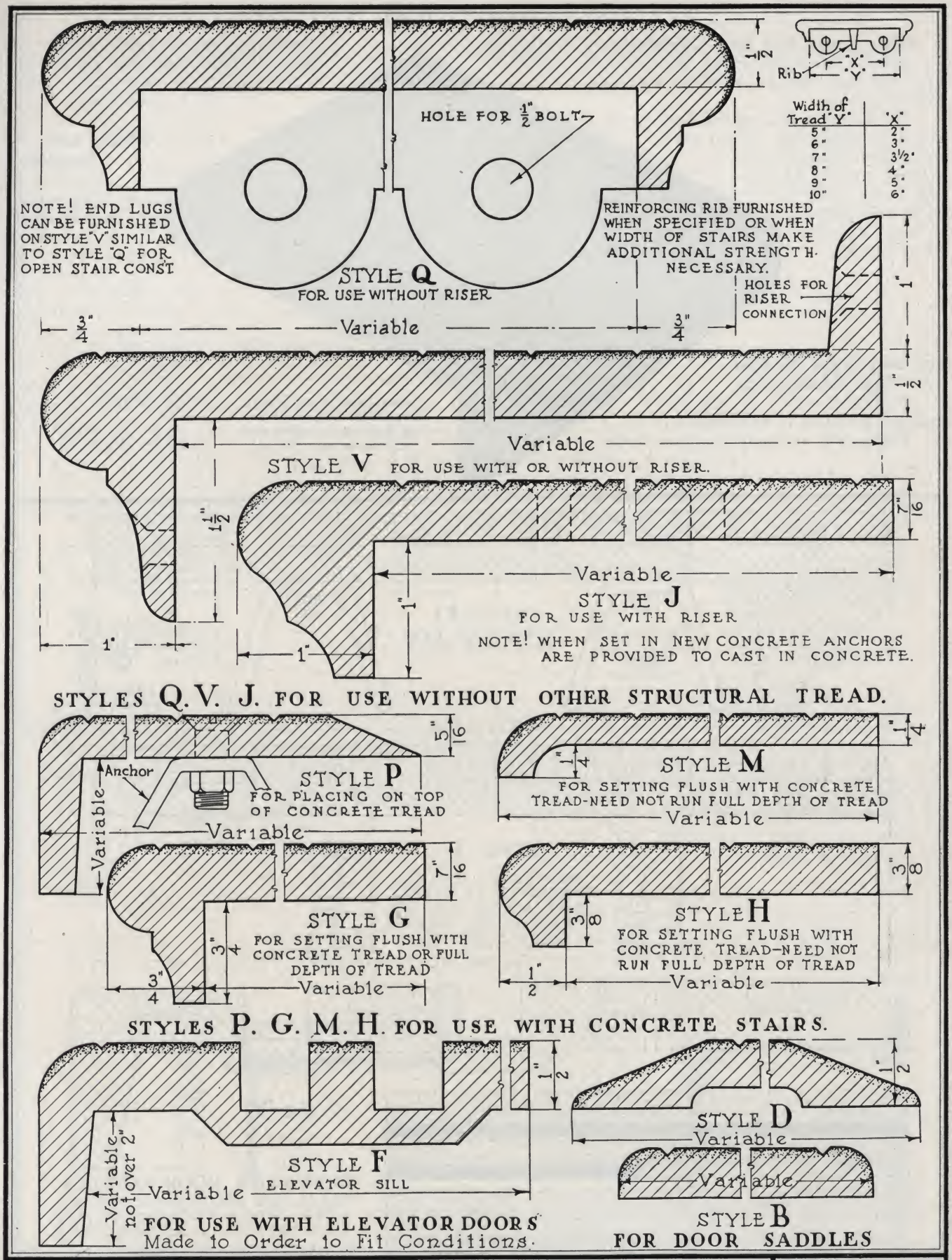


SWEETS CATALOGUE SERVICE	DETAILS OF MASON *Carbo-Cast* SAFETY TREADS	SCALE FULL SIZE	DRW'G 2

Continued on next page

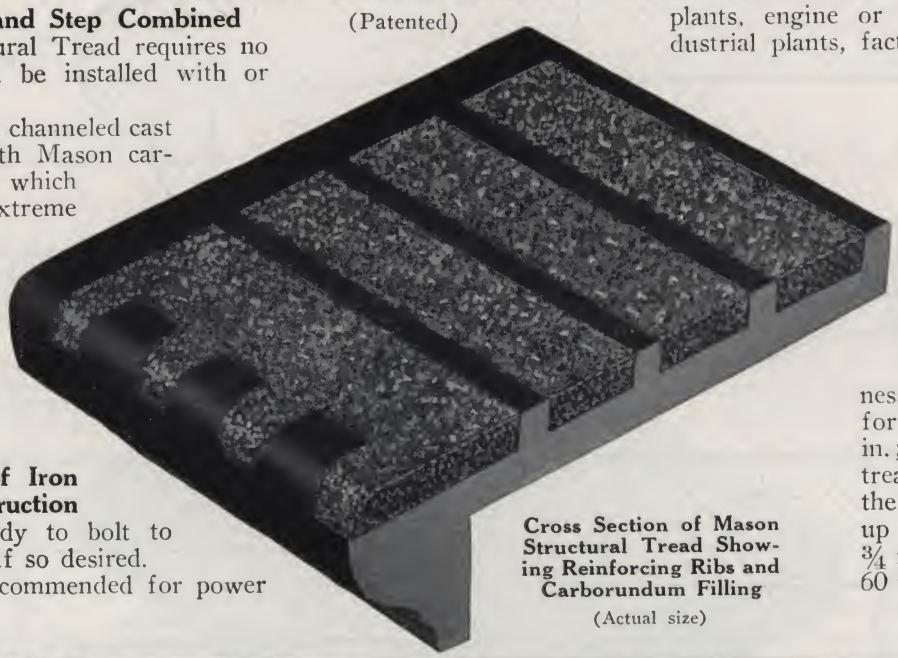
MASON STRUCTURAL TREAD

(Patented)

A Safety Tread and Step Combined

Mason Structural Tread requires no sub-tread and can be installed with or without a riser.

It consists of a channeled cast iron base filled with Mason carborundum filling which extends to the extreme edge with additional reinforcing of cast iron on the front edge.



Cross Section of Mason Structural Tread Showing Reinforcing Ribs and Carborundum Filling

(Actual size)

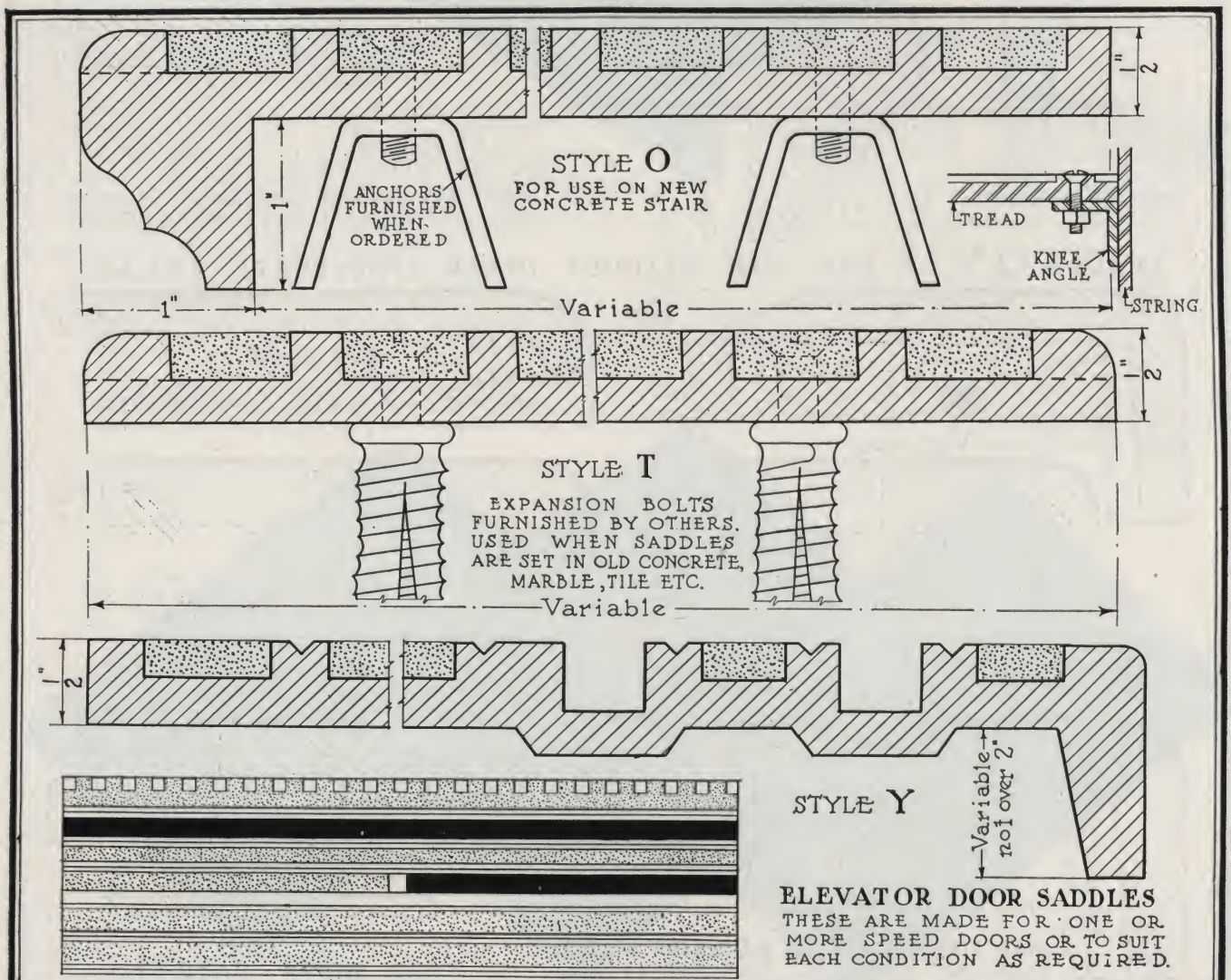
For Any Type of Iron Stair Construction

Furnished ready to bolt to staircase stringers if so desired.

Particularly recommended for power plants, engine or boiler rooms, industrial plants, factories, schools and for heavy traffic conditions.

Widths and Lengths

Furnished in any tread width; in lengths up to 50 in.; and in thicknesses of ½, 9/16, ⅝ and ¾ in. The ½ in. thickness is recommended for treads up to 36 in.; the 9/16 in. for treads up to 40 in.; the ⅝ in. for treads up to 48 in.; and the ¾ in. for treads up to 60 in. in length.



SWEETS CATALOGUE SERVICE	DETAILS OF MASON STRUCTURAL TREADS	SCALE FULL SIZE	DRWG. 3

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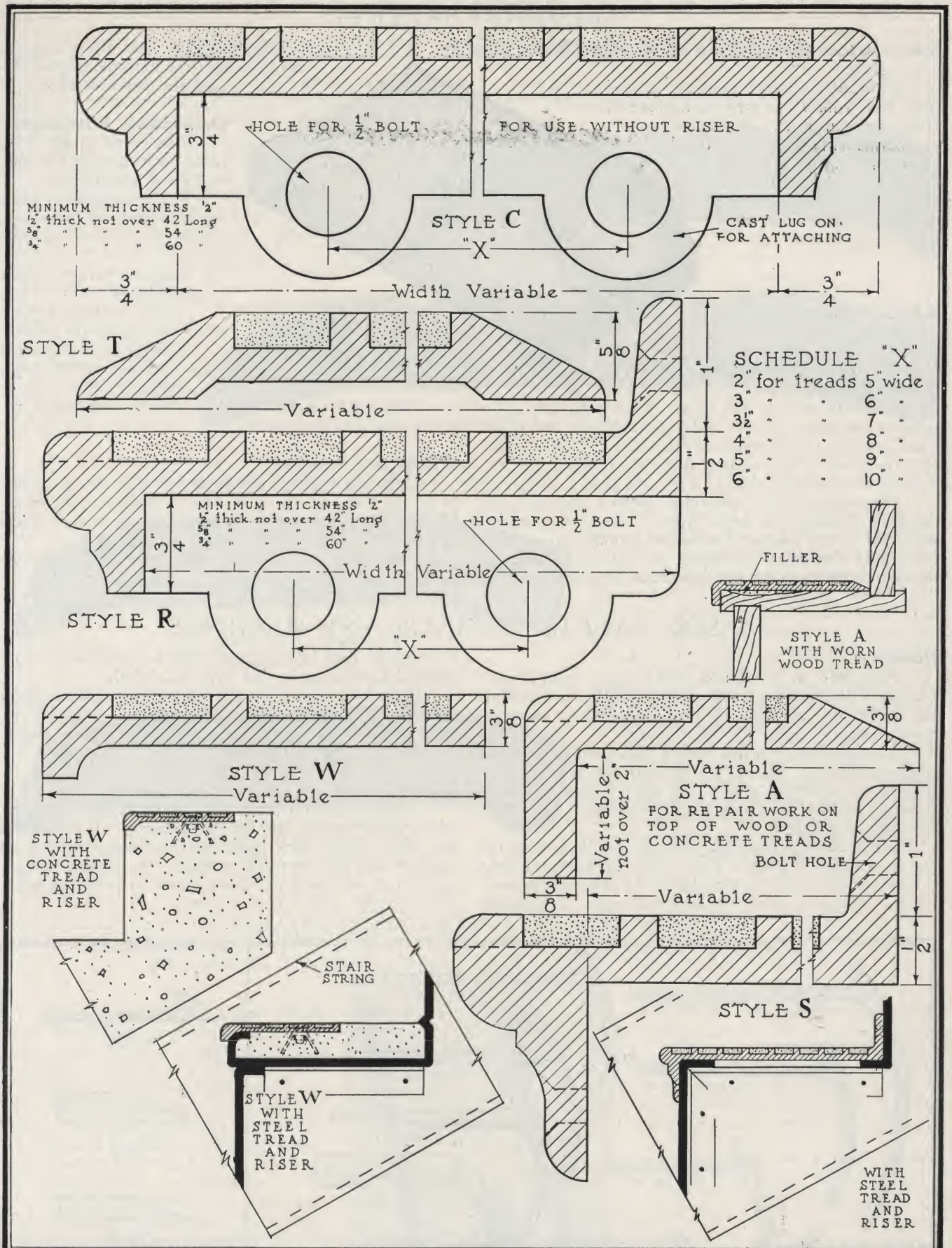


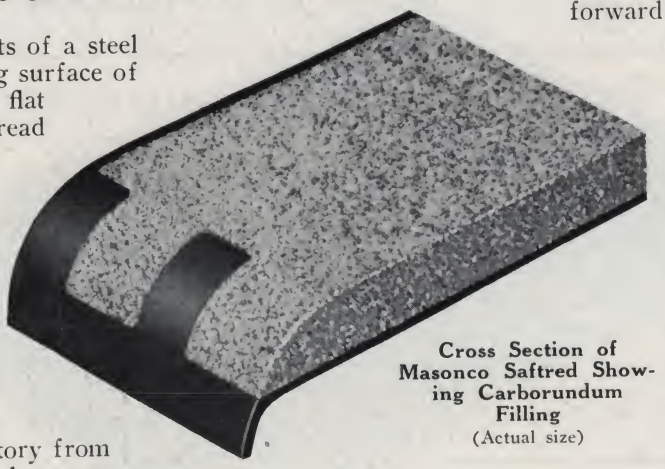
SWEETS CATALOGUE SERVICE	DETAILS OF MASON STRUCTURAL TREADS	SCALE FULL SIZE	DRWG. 4

Continued on next page

MASONCO SAFTRED

Solid Carborundum Surface on a Steel Plate Base (Patented)

Masonco Saftred consists of a steel plate base with a flat wearing surface of solid carborundum. This flat carborundum bed gives the tread an exceptionally clean-cut appearance and presents an abrasive wearing surface that extends clear through to the metal base.



Cross Section of Masonco Saftred Showing Carborundum Filling
(Actual size)

Saftred Nosing

Plain nosings of cast iron, steel or other hard materials may prove satisfactory from the standpoint of durability, but even though coated with a thin layer of abrasive, they soon become polished, smooth and slippery. On the other hand, nosings which consist solely of tile or other non-slip materials may prevent slipping but they do not possess durability.

The nosing of the Masonco Saftred embodies the desirable features of both types. The carborundum and steel in the nosing dovetail in toothlike formation combining the wear resistance of the steel with the non-slip qualities of the carborundum. The Saftred Nosing prevents the foot from slipping forward over the extreme edge of the step and sidewise as well.

Outstanding Advantages

Any size tread furnished complete in one unit ready for installation.

A flat tread with plain surface—no corrugations; no projections; no depressions.

Light in weight—built for durability.

Tread remains slipproof for its entire life.

Nosing is absolutely slipproof approached from any angle.

Provides an economical and durable method of repairing old and worn stairs.

Widths and Lengths

Masonco Saftreds are made in one piece, in widths to fit any tread up to 12 in. and in lengths up to 60 in. Nosings are regularly ½ in. deep, but any size or shape will be furnished to meet special requirements.

The treads are shipped with screw holes countersunk, ready for installation.

MASON SAFETY NOSINGS AND EDGINGS

Nosings

Furnished in brass and white brass (aluminum) for use with linoleum, cork carpet, rubber, interlocking tile, carpet or any other form of covering on stairs of wood, concrete, slate, marble, iron, etc.

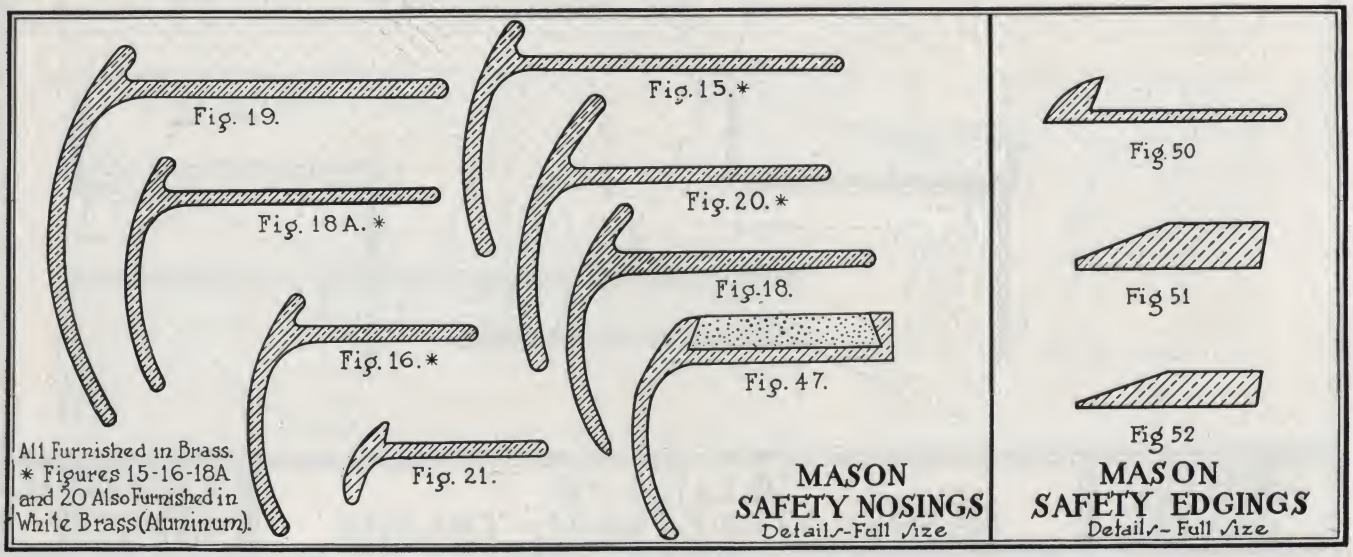
All types are provided with a deep sturdy lip which protects the stair, and with a vertical top so beveled as to lock the covering securely in place. Mason Safety Nosings protect the covering at the front edge where the wear is greatest.

White brass (aluminum) nosings are preferable for use where light is poor as they reflect the available light thereby clearly defining the edge of the step and eliminating the hazard of poorly lighted stairways. Aluminum nosings are non-corrosive and may be restored to their original high luster by the wipe of a cloth.

Sizes—Furnished in any of the sizes shown below in solid highly polished extruded brass. Figs 15, 16, 18A and 20 also furnished in aluminum, either highly polished or clear satin finish.

Edgings

For use with linoleum, cork carpet, rubber, tile, etc. where only part of the floor is covered. They protect the edge of the floor covering from being broken by scuffing and also prevent tripping. Furnished according to full size sections shown below in extruded brass, cut to length, drilled and polished.



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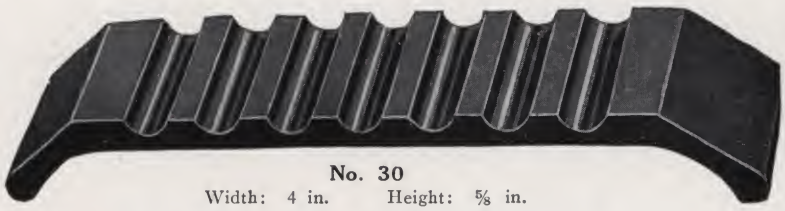
MASON ROLLED STEEL DOOR SADDLES

Mason Rolled Steel Door Saddles are lower in cost than cast iron saddles, yet they are exceptionally strong. The surface is deeply grooved. While the parallel grooves afford a certain immunity to slipping, where an absolute slipproof threshold is desired, the use of Mason *Carbo-Cast* Saddles is recommended.

Mason Rolled Steel Door Saddles are designed for use at fire doors, elevator shafts and wherever service conditions are severe. They are particularly adapted to withstand, without breaking, the heavy pounding of traffic and trucks in industrial plants, warehouses, railroad freight terminals and similar establishments.

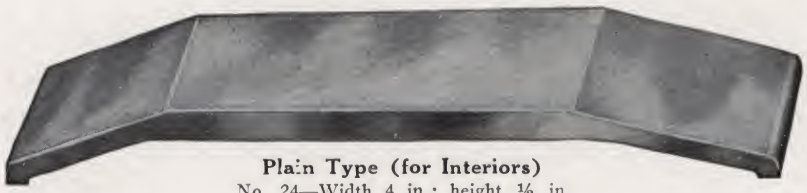
Made in two widths, 4 and 5½ in., and are furnished from stock cut and drilled in any length up to 16 ft.



No. 30
Width: 4 in. Height: ⅝ in.

No. 31
Width: 5½ in. Height: ⅝ in.

MASON EXTRUDED BRASS DOOR SADDLES



Plain Type (for Interiors)
No. 24—Width 4 in.; height ½ in.
No. 26—Width 5 in.; height ½ in.
No. 28—Width 6 in.; height ½ in.

Corrugated Type (for Exteriors)
No. 25—Width 4 in.; height ½ in.
No. 27—Width 5 in.; height ½ in.
No. 29—Width 6 in.; height ½ in.

Mason Extruded Brass Door Saddles are suitable for use in any type of building. They are recommended where appearance, combined with protection against wear and slipping, is a factor. Brass door saddles are very attractive and harmonize readily with the finest interiors or exteriors where the use of a metal threshold is practical.

The extruding process used in the manufacture of Mason saddles results in a product of great strength and durability together with absolute uniformity.

Mason Extruded Brass Door Saddles are furnished in two types—*plain* which is adapted for interior use, and the *corrugated* recommended for exterior use. Both types are available in standard widths of 4, 5, and 6 in., and furnished from stock in any length up to and including 12 ft.

MASON NON-SLIP LADDER SHOES

For Use in Industrial Plants, Stockrooms and Similar Locations

Mason Non-Slip Ladder Shoes hold the ladder securely to floors of iron, steel, wood or concrete. They provide an effective and inexpensive method of preventing falls caused by the slipping of a ladder on a smooth floor. The use of ladder shoes also obviates the necessity of having a second man to hold the ladder, resulting in saving of time and expense.

The swivel method of attaching the shoes to the ladder permits them to lie flat on the floor regardless of the angle at which the ladder is placed. The abrasive tread is long wearing and will retain its effectiveness indefinitely.

Shoes are fastened to the ladder with heavy bolts as shown in the illustration and are quickly and easily installed on new or old ladders or transferred from one ladder to another.

SIZES OF NON-SLIP LADDER SHOES

Size No.	Contact base, in.	Width of clevis, in.
1	5¼ x 1½	1¼
3	5¼ x 1⅝	1½
5	5¼ x 2	2

MASON
SAFETY TREADS

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